

Claims

1. A storage carrier comprising:

at least one Java object application having a predefined lifecycle model comprising at least three methods that when invoked cause the Java object application to be in one of the
5 following respective states: a paused state, an active state and an inactive state;

a loader application running on a Java virtual machine, having a main method and a lifecycle linked to an insertion of the carrier into a scanning device and the loader application is configured to control the lifecycle of the object application;

wherein the loader application controls the object application into the paused or

10 inactive state when another Java object application on the carrier is invoked.

2. The carrier of Claim 1, wherein the carrier comprises an optical storage portion.

3. The carrier of Claim 1, wherein the object application comprises an interactive
15 service.

4. The carrier of Claim 1, wherein the object application and the loader application are stored in a Java archive file on the carrier comprising a manifest file pointing to the loader application.

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5. The carrier of Claim 1, wherein the object application includes a control of playback of a video sequence.

6. The carrier of Claim 1, further comprising:

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an index table for associating the object application with a title or menu item.

7. The carrier of Claim 1, wherein the loader application is configured to control the object application into the paused state and control a release by the application of resources associated with the scanning device.

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8. The carrier of Claim 6, wherein the resources includes a display of the player.

9. The carrier of Claim 1, wherein the loader application is configured to control the object application into a start state and control a registration with the system to receive user events.

5 10. The carrier of Claim 1, wherein the carrier further comprises one movie object associated to control a playback of an audio/video sequence.

11. A system comprising:

a scanning device storing a Java virtual machine ;

10 a storage carrier including:

at least one Java object application having a predefined lifecycle model comprising at least three methods that when invoked cause the Java object application to be in one of the following respective states: a paused state, an active state and an inactive state;

15 a loader application configured to run on the Java virtual machine while the carrier is inserted into the scanning device, having a main method and a lifecycle linked to the insertion of the carrier into the scanning device and the loader application is configured to control the lifecycle of the object application;

wherein the loader application controls the object application into the paused

20 or inactive state when another Java object application on the carrier is invoked.